received, QPSK-modulated data into GFSK-modulated data and gives them to the controller.

2. (Amended) The mobile radiotelephone device according to claim 1, wherein the adaptor module outputs a synchronization signal to the controller in synchronized conditions.

3. (Amended) The mobile radiotelephone device according to claim 1, wherein the controller is a DECT controller.

4. (Amended) The mobile radiotelephone device according to claim 1, wherein the adaptor module synchronizes to a received, QPSK-modulated signal.

5. (Amended) The mobile radiotelephone device according to claim 4, wherein the adaptor module time-shifts the synchronization received signal for the controller dependent on its synchronization onto the QPSK-modulated signal.

6. (Amended) The mobile radiotelephone device according to claim 1, further comprising an RF module driven by the adaptor module such that the data are modulated onto a carrier frequency that lies outside the DECT band.

7. (Amended) The mobile radiotelephone device according to claim 6, wherein the carrier frequency lies in a 2.4 GHz band.

8. (Amended) The mobile radiotelephone device according to claim 1, wherein the adaptor module is an ASIC.

9. (Amended) The mobile radiotelephone device according to claim 1, wherein the adaptor module converts GFSK-modulated data into pi/4 QPSK-

modulated data or, respectively, converts received pi/4 QPSK-modulated data into GFSK-modulated data.

10. (Amended) A method for the wireless transmission of QPSK-modulated data with a controller that is designed for a transmission of GFSK-modulated data, comprising the step of:

converting, by an adaptor module, GFSK-modulated data output by the controller into QPSK-modulated data to be transmitted or, respectively, converting, by the adaptor module, received, QPSK-modulated data into GFSK-modulated data and gives the GFSK-modulated data to the controller.

11. (Amended) A method for the wireless transmission of QPSK-modulated data according to claim 10, further comprising the step of outputting, by the adaptor module, a synchronization signal to the controller in a synchronized condition.

12. (Amended) The method according to claim 11, wherein the controller is a DECT controller.

13. (Amended) The method according to claim 10, further comprising the step of self-synchronizing by the adaptor module from a received, QPSK-modulated signal.

14. (Amended) The method according to claim 13, further comprising the step of time-shifting, by the adaptor module, the synchronization signal for the controller dependent on its synchronization onto the QPSK-modulated signal.

15. (Amended) The method according to according to claim 10, further comprising the step of driving, by the adaptor module, an RF module such that the data are modulated onto a carrier frequency that lies outside the DECT band.